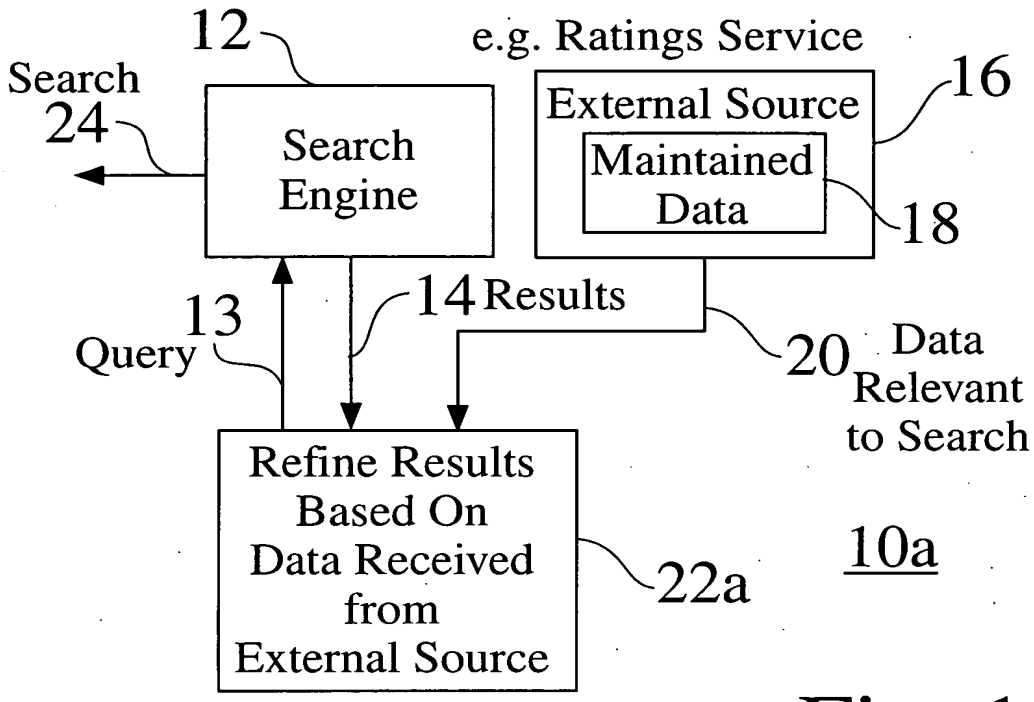

12
e.g. Ratings Service
Search
24
Search Engine
External Source
16
Maintained Data
18
13
Query
14
Results
20
Data Relevant to Search
Refine Results Based On Data Received from External Source
22a
10a

Fig. 1

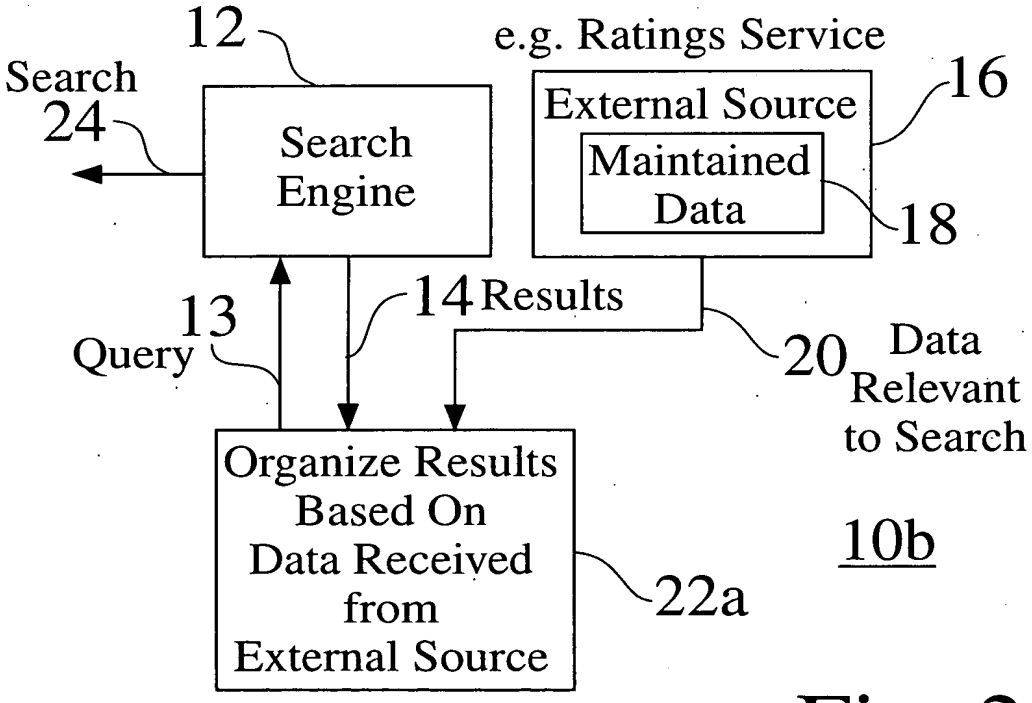

12
e.g. Ratings Service
Search
24
Search Engine
External Source
16
Maintained Data
18
13
Query
14
Results
20
Data Relevant to Search
Organize Results Based On Data Received from External Source
22a
10b

Fig. 2

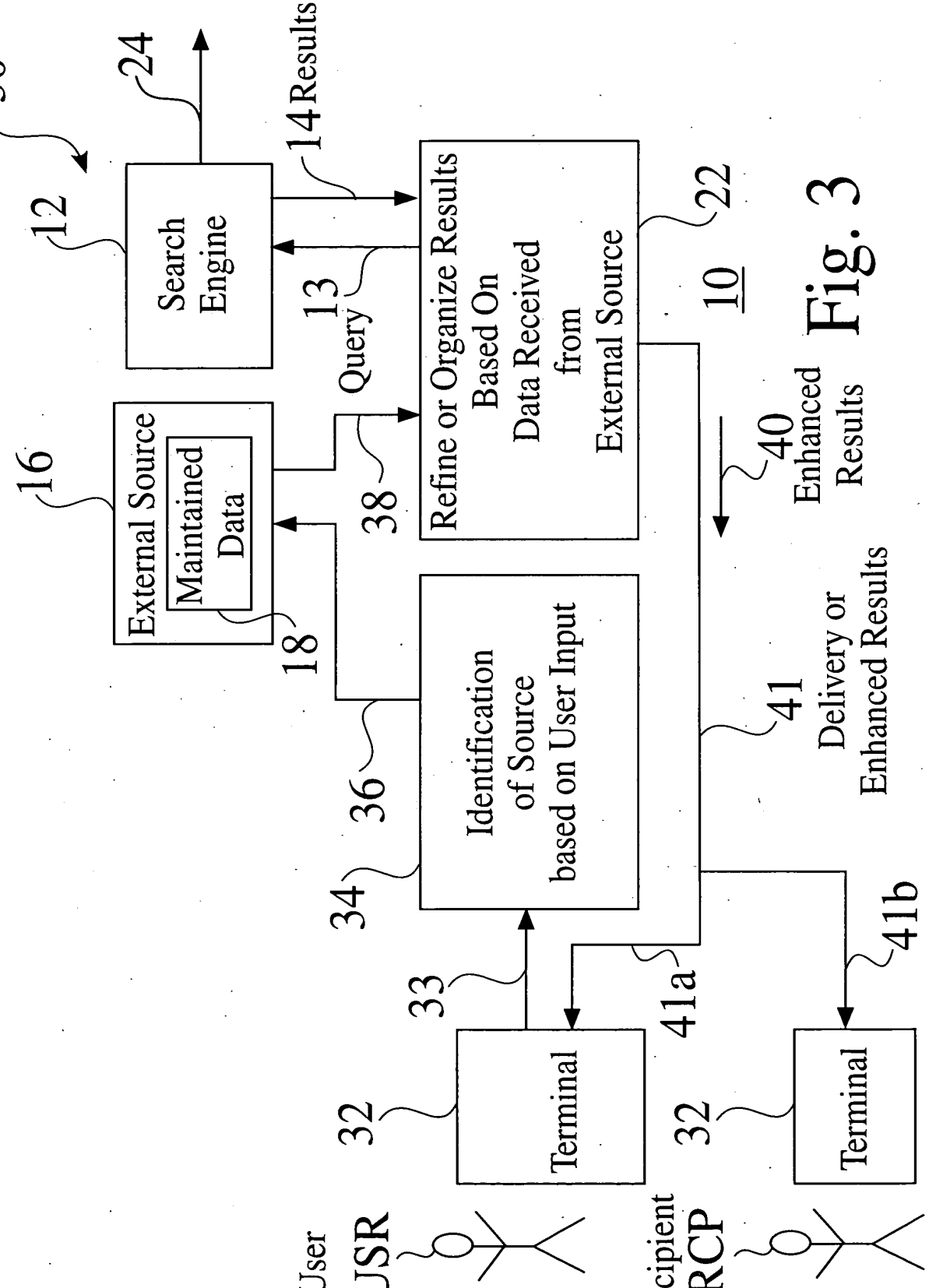

30
12
Search Engine
24
14 Results
13 Query
22
Refine or Organize Results Based On Data Received from External Source
10
16
External Source
Maintained Data
18
38
40 Enhanced Results
34
36
Identification of Source based on User Input
41 Delivery or Enhanced Results
33
41a
41b
32
Terminal
32
Terminal
User
USR
Recipient
RCP

Fig. 3

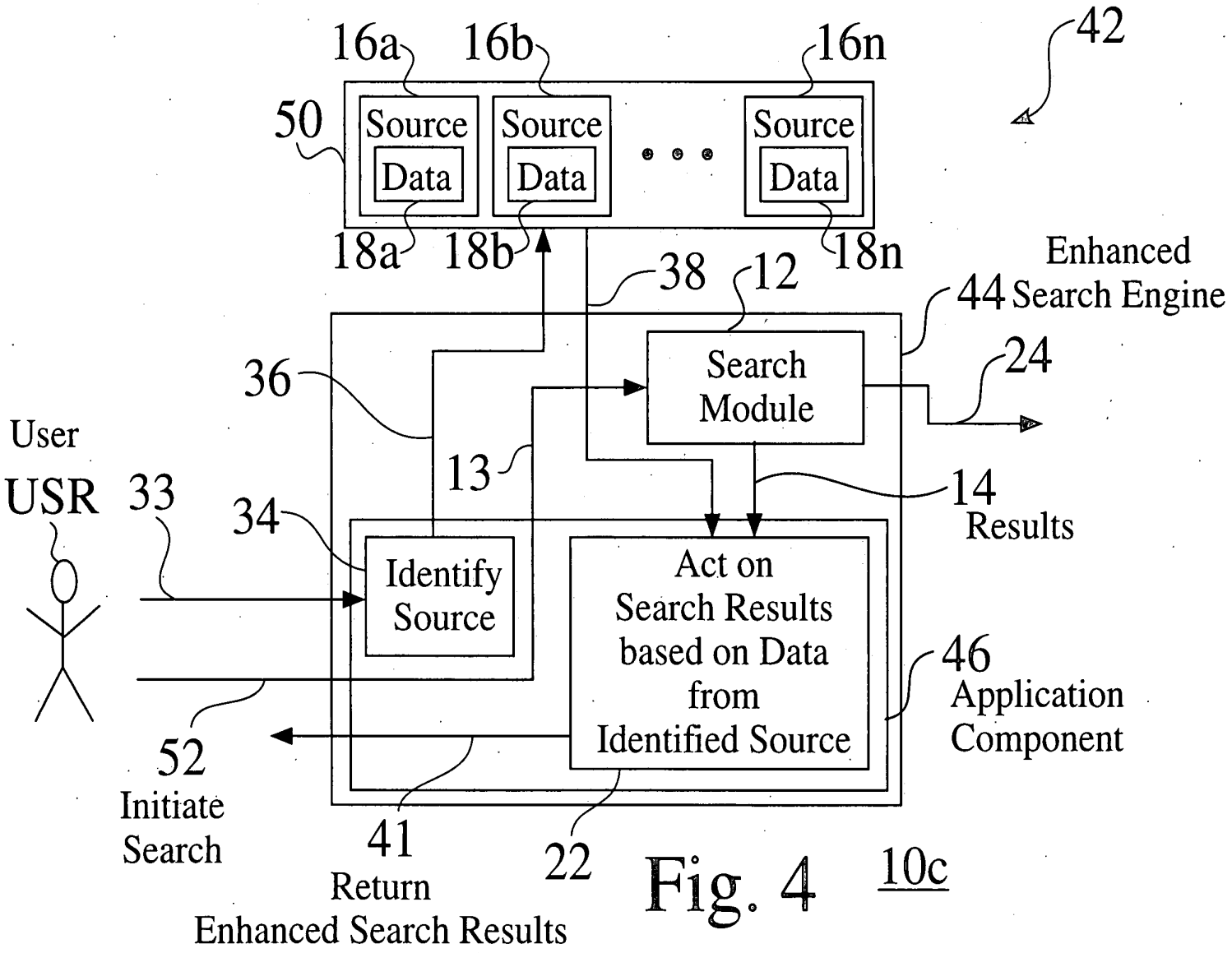

16a
16b
16n
42
50
Source
Data
Source
Data
Source
Data
18a
18b
18n
38
12
Enhanced
44 Search Engine
Search
Module
24
36
User
USR
33
13
14
Results
34
Identify
Source
Act on
Search Results
based on Data
from
Identified Source
46
Application
Component
52
Initiate
Search
41
Return
Enhanced Search Results
22
10c

Fig. 4

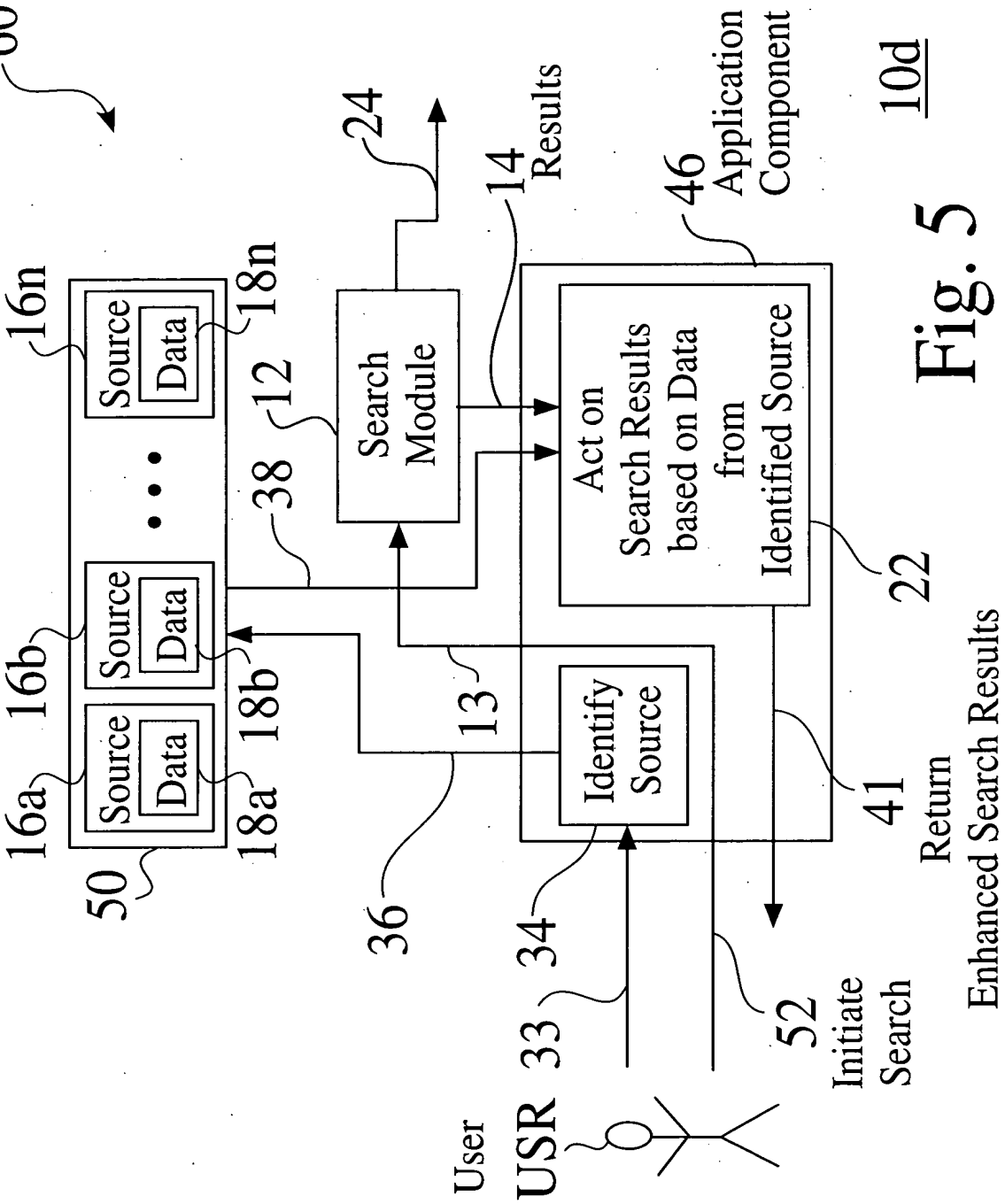

60
16n
Source
Data
18n
16b
Source
Data
18b
16a
Source
Data
18a
50
12
Search Module
38
24
14
Results
46
Application Component
Act on Search Results based on Data from Identified Source
22
13
Identify Source
36
34
33
User
USR
52
Initiate Search
41
Return Enhanced Search Results
10d

Fig. 5

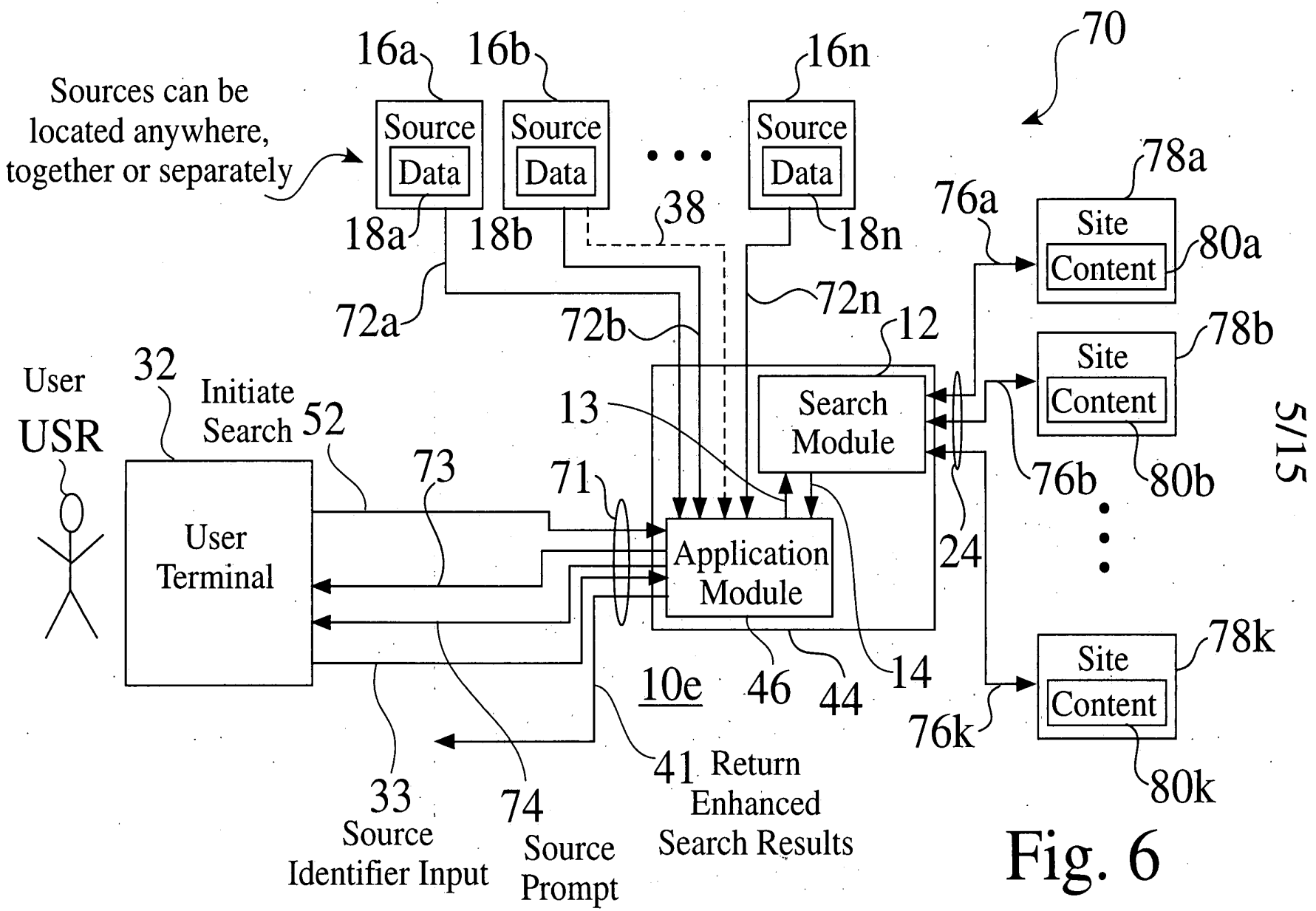
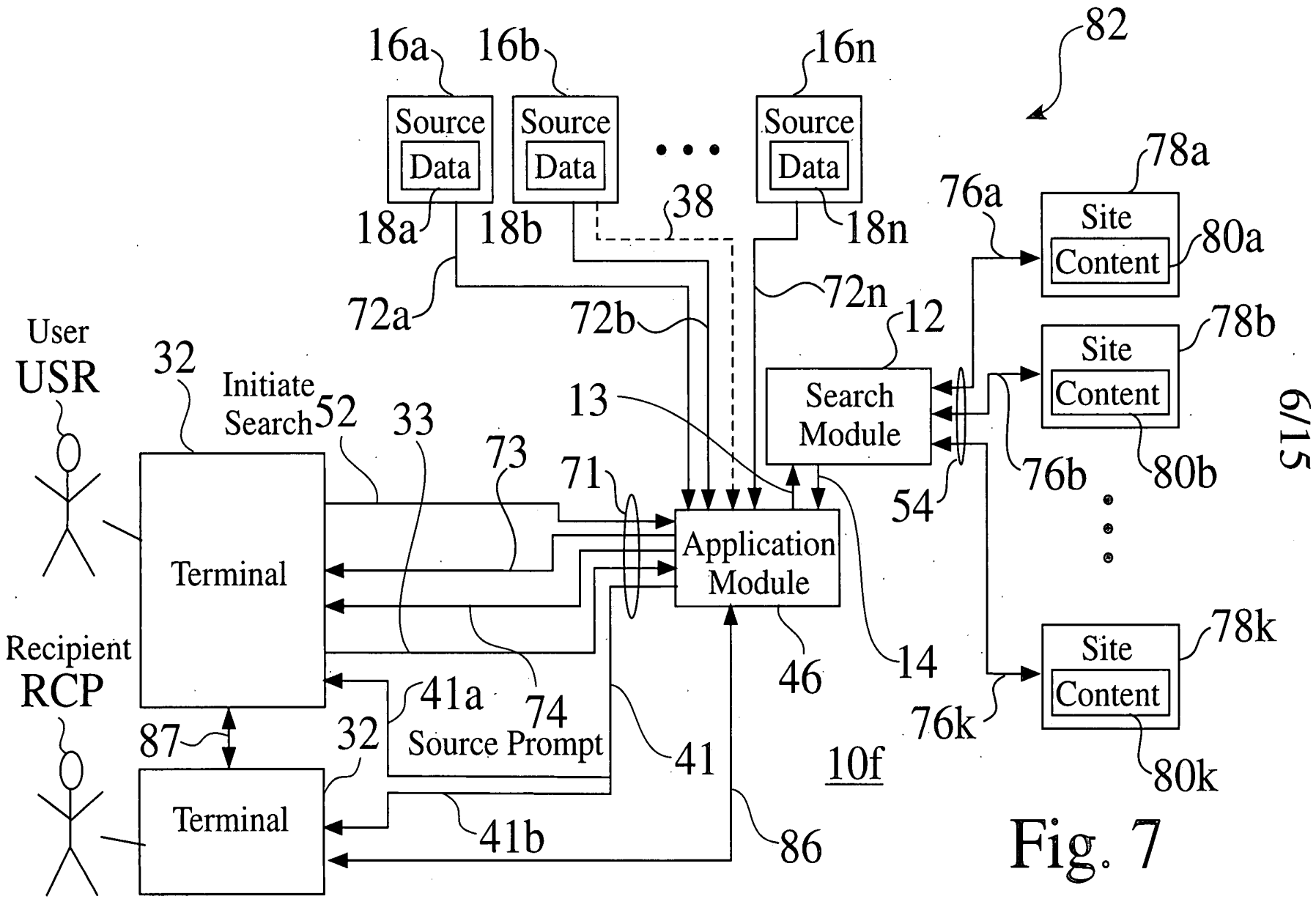

Sources can be located anywhere, together or separately
16a
16b
16n
70
Source
Data
18a
18b
38
18n
72a
72b
72n
12
78a
76a
Site
Content
80a
78b
Site
Content
80b
User
32
USR
Initiate Search
52
13
Search Module
73
71
76b
User Terminal
Application Module
24
10e
46
44
14
78k
Site
Content
76k
80k
41 Return Enhanced Search Results
33 Source Identifier Input
74 Source Prompt

Fig. 6


16a
16b
16n
82
Source
Data
Source
Data
Source
Data
78a
76a
Site
Content
80a
38
18a
18b
18n
72a
72b
72n
12
78b
User
USR
32
Initiate
Search
52
33
13
Search
Module
Site
Content
73
71
76b
80b
54
Terminal
Application
Module
Recipient
RCP
46
14
78k
Site
Content
41a
74
87
32
Source Prompt
41
76k
10f
80k
Terminal
41b
86
Fig. 7
6/15

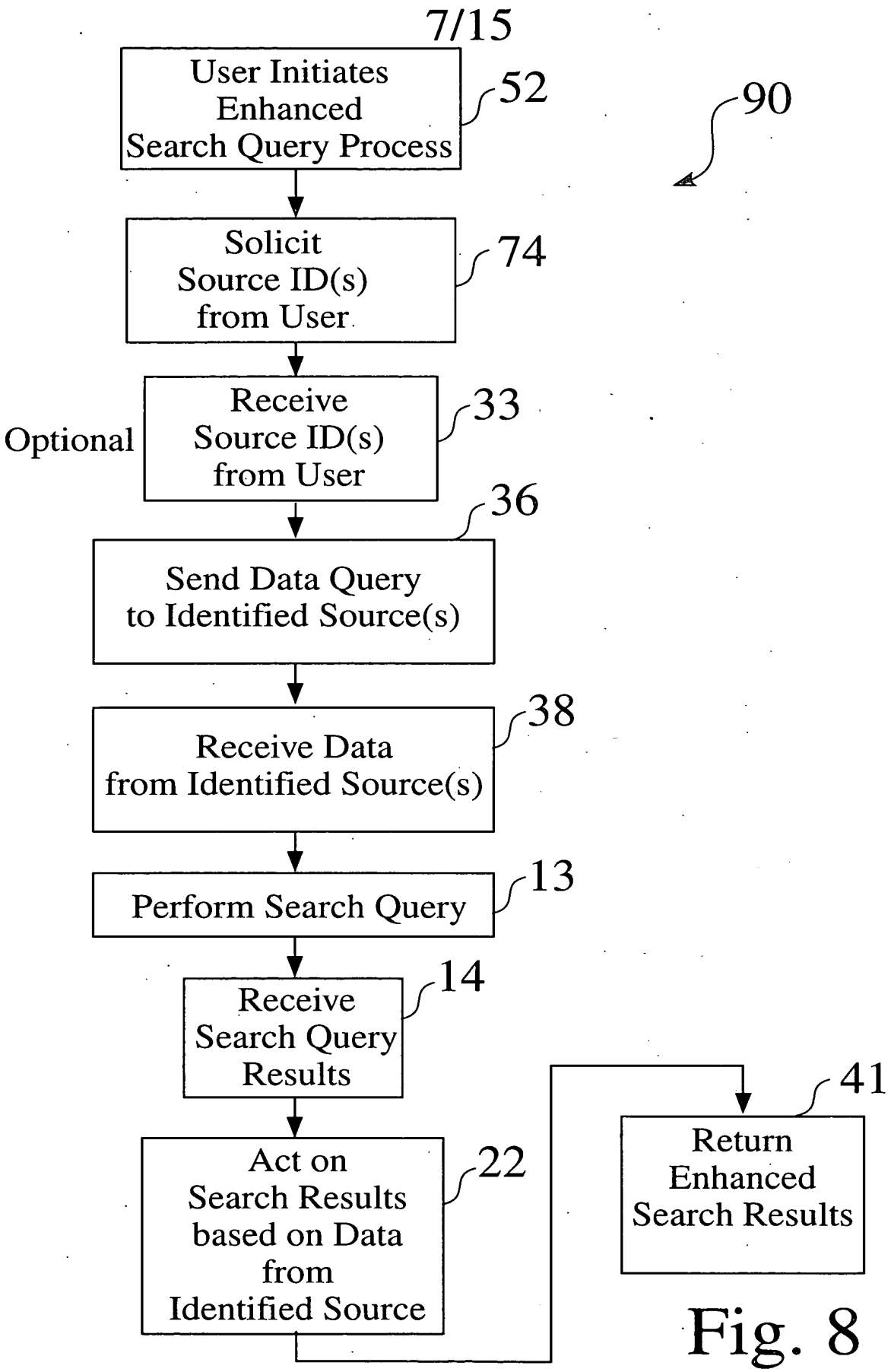

User Initiates Enhanced Search Query Process
52
90
Solicit Source ID(s) from User
74
Optional
Receive Source ID(s) from User
33
36
Send Data Query to Identified Source(s)
Receive Data from Identified Source(s)
38
Perform Search Query
13
Receive Search Query Results
14
Act on Search Results based on Data from Identified Source
22
Return Enhanced Search Results
41

Fig. 8

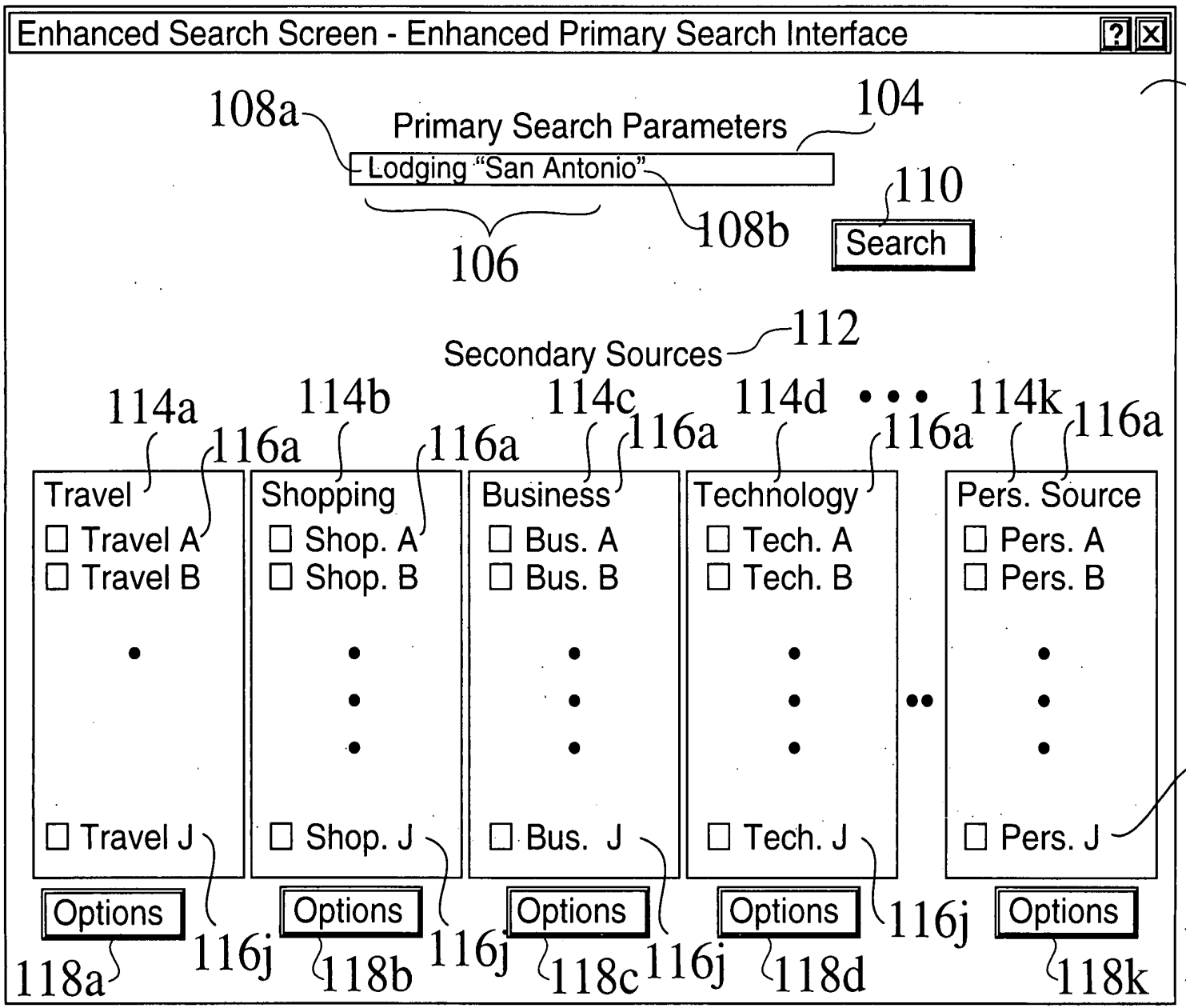

Enhanced Search Screen - Enhanced Primary Search Interface
102
108a
Primary Search Parameters
104
Lodging "San Antonio"
108b
110
Search
106
Secondary Sources
112
114a
114b
114c
114d
114k
116a
Travel
Travel A
Travel B
Travel J
Shopping
Shop. A
Shop. B
Shop. J
Business
Bus. A
Bus. B
Bus. J
Technology
Tech. A
Tech. B
Tech. J
Pers. Source
Pers. A
Pers. B
Pers. J
116j
Options
118a
118b
118c
118d
118k

Fig. 9

100

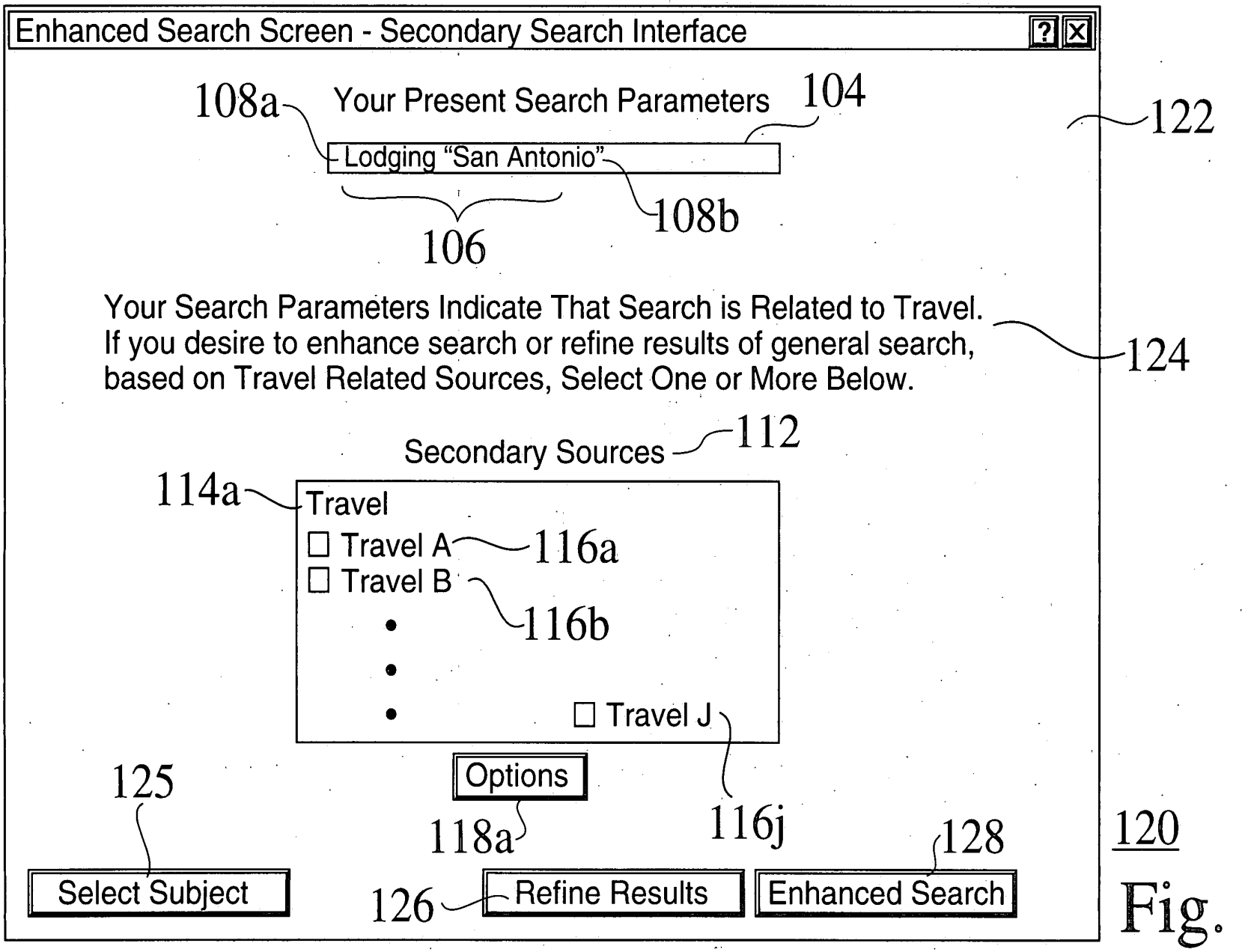

Enhanced Search Screen - Secondary Search Interface
108a
Your Present Search Parameters
104
122
Lodging "San Antonio"
108b
106
Your Search Parameters Indicate That Search is Related to Travel.
If you desire to enhance search or refine results of general search,
based on Travel Related Sources, Select One or More Below.
124
Secondary Sources
112
114a
Travel
Travel A
116a
Travel B
116b
Travel J
Options
125
118a
116j
128
120
Select Subject
126
Refine Results
Enhanced Search

Fig. 10

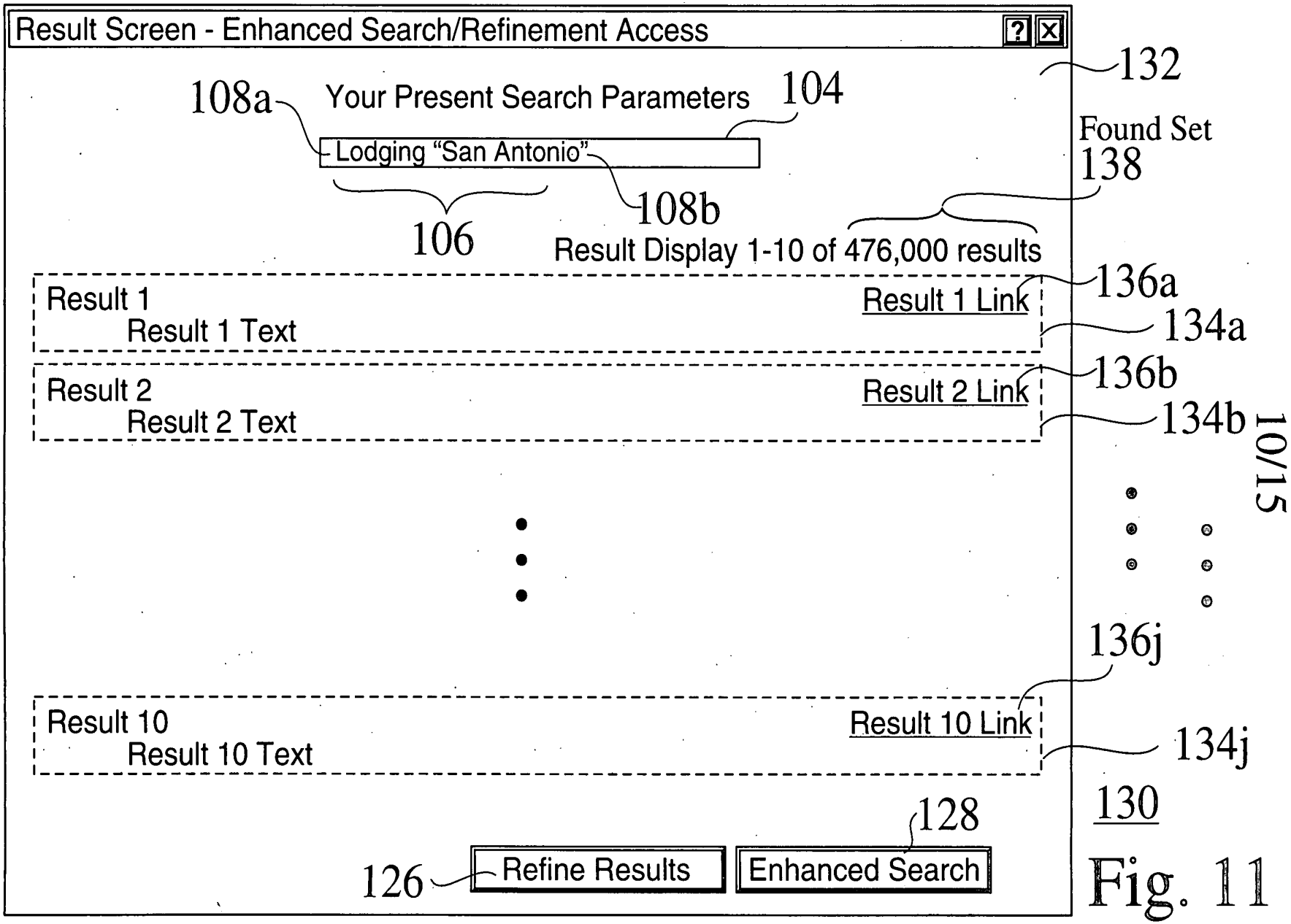

Result Screen - Enhanced Search/Refinement Access
132
108a
Your Present Search Parameters
104
Found Set
138
Lodging "San Antonio"
108b
106
Result Display 1-10 of 476,000 results
Result 1
Result 1 Link
136a
Result 1 Text
134a
Result 2
Result 2 Link
136b
Result 2 Text
134b
10/15
136j
Result 10
Result 10 Link
Result 10 Text
134j
130
128
126
Refine Results
Enhanced Search

Fig. 11

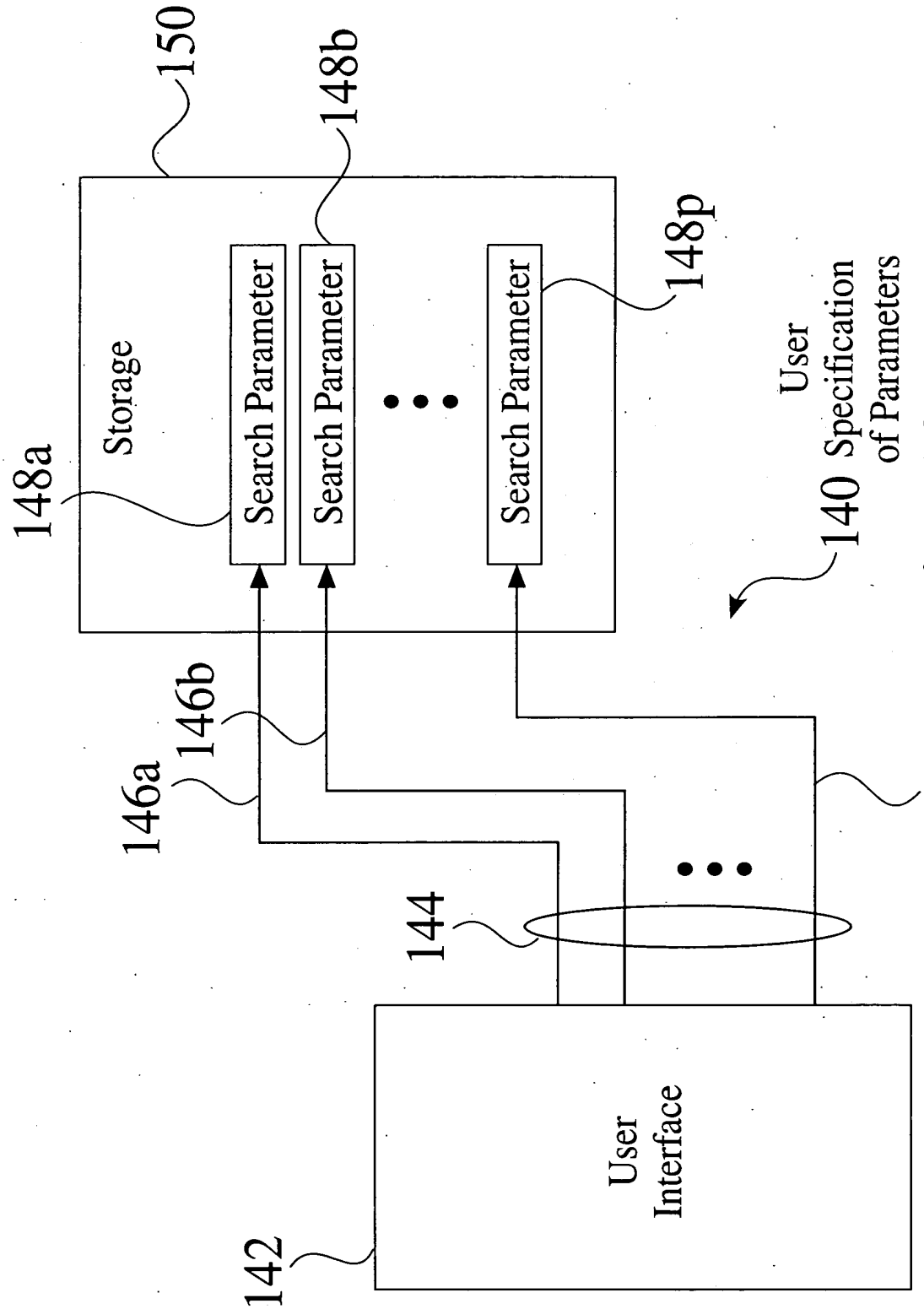

150
148b
148p
148a
Storage
Search Parameter
Search Parameter
Search Parameter
User
140 Specification
of Parameters
146b
146a
146p
144
142
User
Interface

Fig. 12

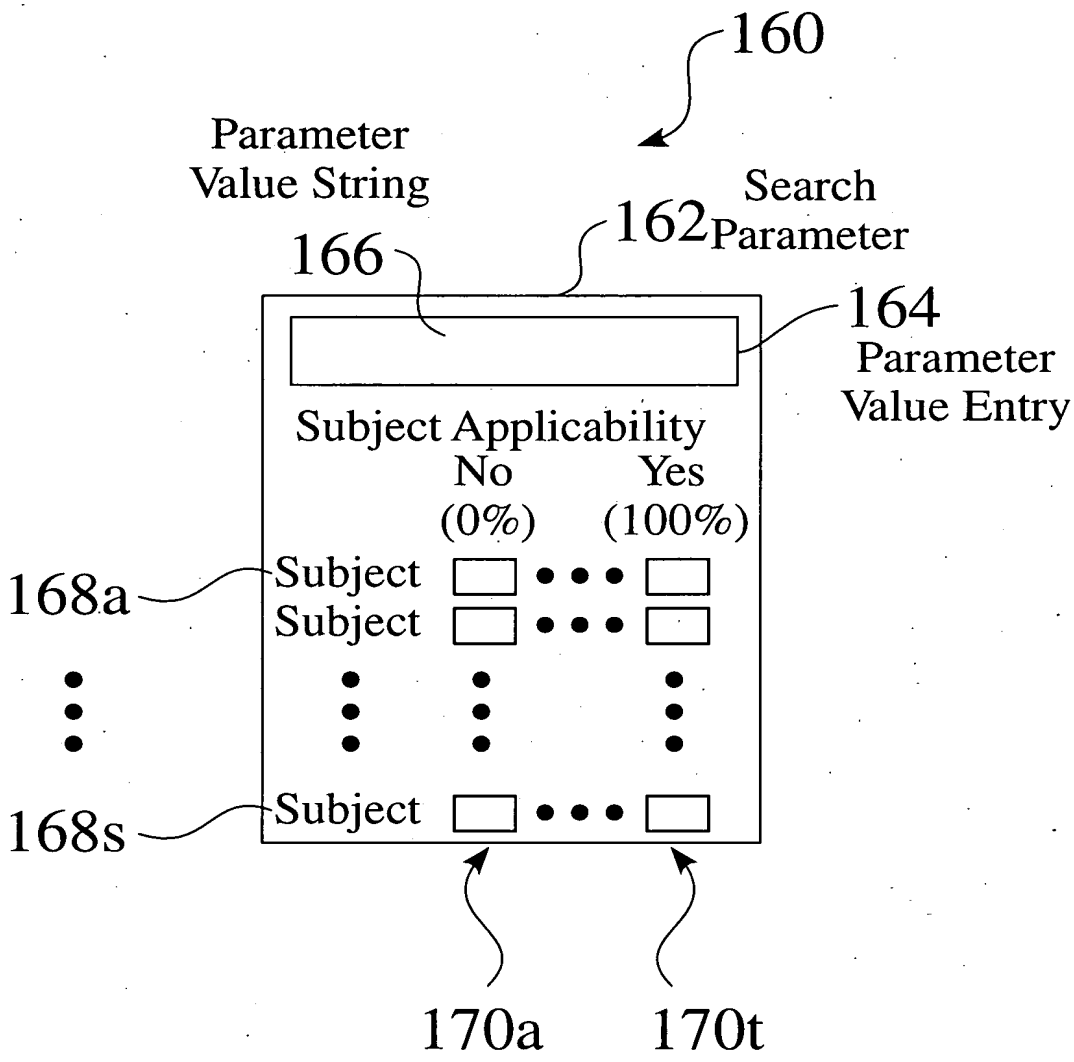

160
Parameter
Value String
Search
Parameter
162
166
164
Parameter
Value Entry
Subject Applicability
No
(0%)
Yes
(100%)
168a
Subject
Subject
168s
Subject
170a
170t

Fig. 13

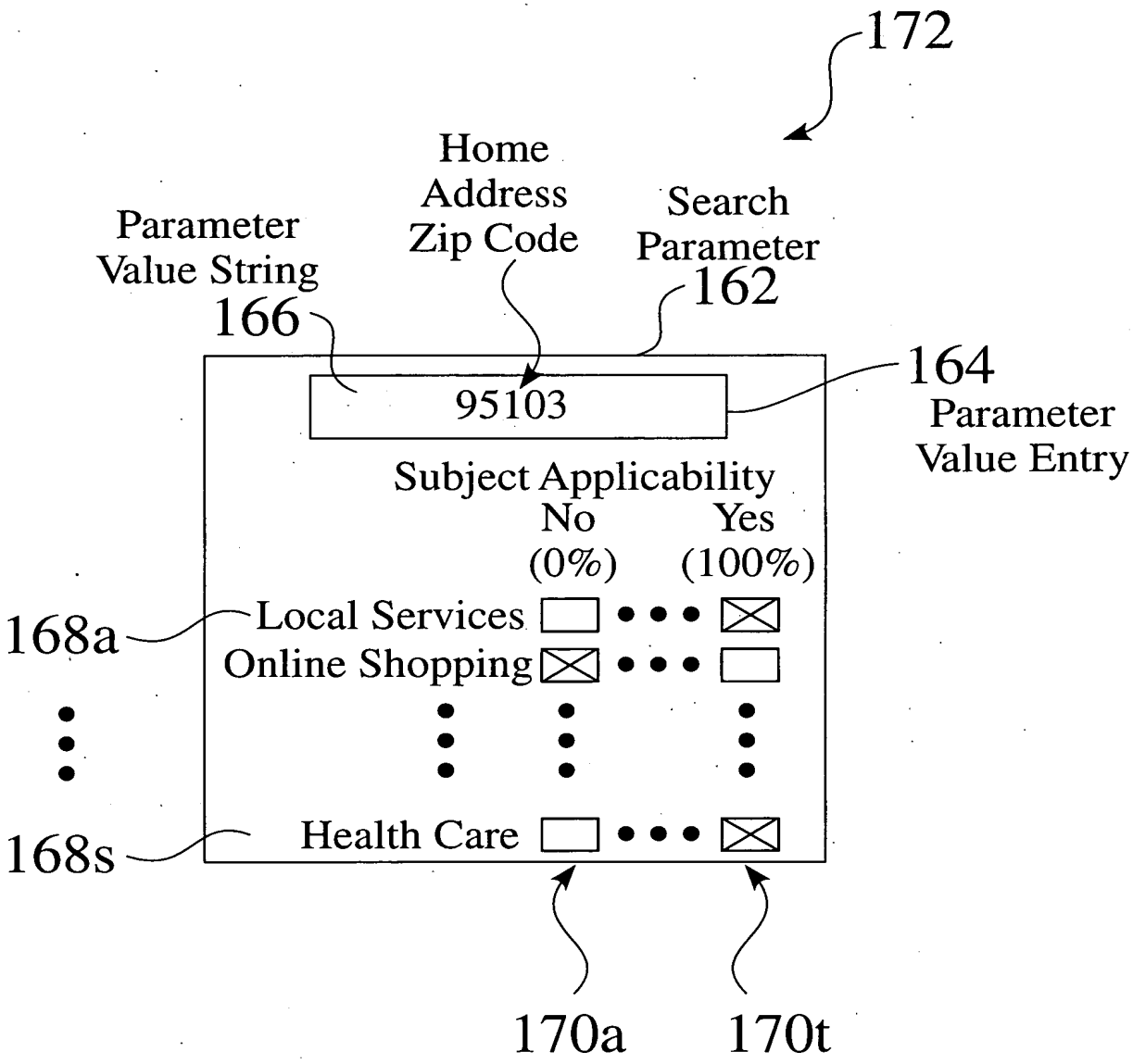

172
Home
Address
Zip Code
Search
Parameter
Parameter
Value String
166
162
95103
164
Parameter
Value Entry
Subject Applicability
No
(0%)
Yes
(100%)
168a
Local Services
Online Shopping
168s
Health Care
170a
170t

Fig. 14

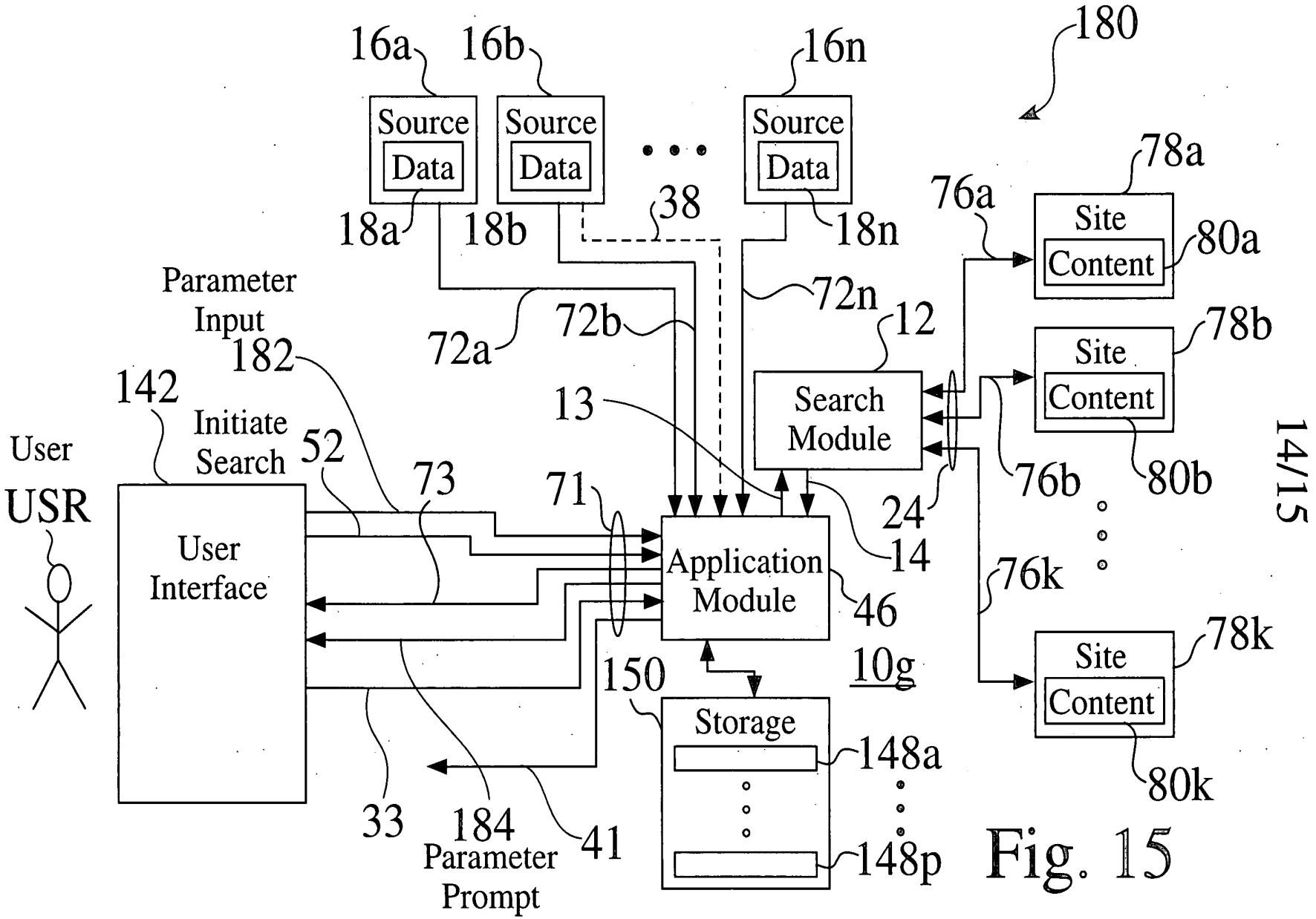

16a
16b
16n
180
Source
Data
Source
Data
Source
Data
78a
76a
Site
Content
80a
18a
18b
38
18n
Parameter
Input
72n
72b
12
78b
72a
182
142
Search
Module
Site
Content
13
User
Initiate
Search
52
73
71
76b
80b
USR
24
14
User
Interface
Application
Module
46
76k
78k
Site
Content
150
10g
Storage
148a
80k
33
184
41
148p
Parameter
Prompt

Fig. 15

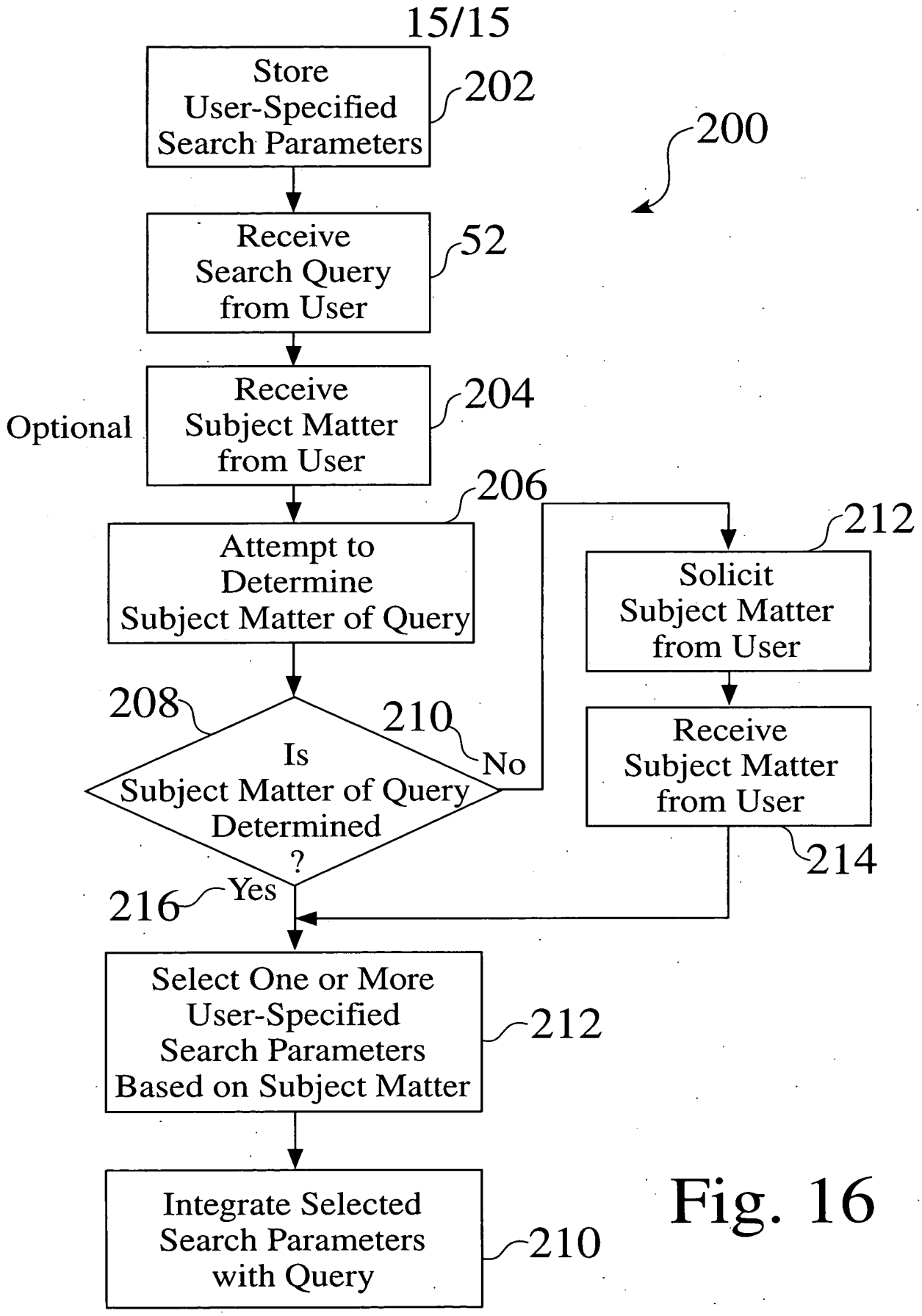

Store User-Specified Search Parameters
202
200
Receive Search Query from User
52
Optional
Receive Subject Matter from User
204
206
Attempt to Determine Subject Matter of Query
212
Solicit Subject Matter from User
208
210
No
Is Subject Matter of Query Determined ?
Receive Subject Matter from User
214
216
Yes
Select One or More User-Specified Search Parameters Based on Subject Matter
212
Integrate Selected Search Parameters with Query
210

Fig. 16